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(54) Title: COMPOSITIONS AND METHODS FOR NEURAL CELL PRODUCTION AND STABILIZATION

(57) ~~Abstract~~: The present invention provides compositions and methods for mammalian neural cell production, their stabilization and their proliferation. More particularly, the present invention provides cellular differentiation methods employing culturing the cells on a cell line or in cell culture and further contacting the cells with MEDII conditioned medium for the generation of stable mammalian neural cells from pluripotent mammalian stem cells. The invention further provides methods for the stabilization of a neural cell in culture comprising contacting the neural cell with MEDII conditioned medium. Preferably, the stabilized neural cell is a neural progenitor cell.

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